

Mano Sriram

Software Engineer

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Hyperlinks at appropriate places.

INTERESTS

Compilers/Transpilers, Backend systems, Developer Tooling

EXPERIENCE

Software Engineer - Compilers

May 2025 – Present

IBM

ibm.com

- Working on WCA4Z PL/I to Java transpiler

Backend Engineer

January 2023 – April 2024

Credshields

credshields.com

- Implemented and shipped product's organization feature end-to-end
- Responsible for entire django backend and few other microservices
- Handle bug fixes and maintenance

Product Engineer 1 - Backend

August 2022 – November 2022

SquadStack

squadstack.com

- Worked on Top-of-the-funnel (TOF) feature, decreasing onboarding time for users
- Worked on moving the 3rd party speech assessment module to inhouse module
- Responsible for user-facing features, bugs, and fixes

Software Development Engineer 1

August 2021 – August 2022

Netbook

netbook.ai

- Built multiple Microservices from scratch - go and python
- Responsible for Environments module, which adds a custom docker image layer to existing docker image
- Implemented log streaming feature using go routines and channels for streaming logs between Kubernetes Pod and client
- Responsible for automation of workspace deployment using Kuberenetes, Helm charts and Docker

PROJECTS

bf-transpiler | *Golang, C, BrainFuck*

May 2025

- Transpiler to convert brainfuck code to modular C code
- Wrote and parsed AST to analyze brainfuck code components and
- Used CircleCI for continuous deployment, Docker for services management, Goose for database migrations.

nimbusdb | *Go*

November 2023 - July 2024

- Persistent Key-Value store based on Bit Cask paper.
- Wrote features like key-custom-expiry, batch-writes, block-cache, and more.
- Reduced allocs/op to 11 and 5 for set and get calls.

lark | *Go*

July 2024 - Present

- Interpreter from scratch using recursive descent parser.
- Built and parsed ASTs for evaluation and error handling.
- Support for functions, local and global vars, arrays, and other basic requirements.

TECHNICAL SKILLS

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|-----------------------|--|
| Programming Languages | Golang, Python, Java, C/C++, and JavaScript |
| Frameworks | Gin-Gonic, Django, ExpressJS |
| Tools | gRPC, Protocol Buffers, Kubernetes, Docker, Git, Vim |
| Databases | MongoDB, MySQL |